What is claimed is:

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1. A coating composition, comprising:

an alkyd resin having a polydispersity of less than about 2, and being the reaction product of a polyester component and a substantially saturated fatty acid component; and a crosslinker, wherein the coating composition is substantially color stable.

- 2. The coating composition of claim 1, wherein the Δb color component of the coating composition after being rebaked is no greater than about +1 compared to the coating composition after cure but prior to rebake when evaluated using the Hunter Lab ColorQuest Colorimeter.
- 3. The coating composition of claim 1, wherein the Δb color component of the coating composition after being rebaked is no greater than about +0.5 compared to the coating composition after cure but prior to rebake when evaluated using the Hunter Lab ColorQuest Colorimeter.
- The coating composition of claim 1, wherein the Δb color component of the coating
 composition after being rebaked is no greater than about +0.25 compared to the coating
 composition after cure but prior to rebake when evaluated using the Hunter Lab ColorQuest
 Colorimeter.
 - 5. The coating composition of claim 1, wherein the coating composition has a volatile organic compound content of less than about 0.35 kilograms per liter of solids.
- 20 6. The coating composition of claim 1, wherein the coating composition has a volatile organic compound content of less than about 0.25 kilograms per liter of solids.
 - 7. The coating composition of claim 1, wherein the alkyd resin comprises between about 40 and 80 weight percent of the coating composition.
 - 8. The coating composition of claim 1, wherein the alkyd resin comprises between about 50 and 70 weight percent of the coating composition.

- 9. The coating composition of claim 1, wherein the alkyd resin has a number average molecular weight of between about 500 and 2,000.
- 10. The coating composition of claim 1, wherein the percent solids content of the coating composition is between about 60 and 80 weight percent.
- 5 11. The coating composition of claim 1, wherein the polyester component is a reaction product of a diffunctional acid and a polyol.
 - 12. The coating composition of claim 11, wherein the difunctional acid is selected from the group consisting of: phthalic anhydride, isophthalic acid, terephthalic acid, succinic acid, adipic acid, and mixtures thereof.
- 13. The coating composition of claim 11, wherein the diffunctional acid is phthalic anhydride.

15

- 14. The coating composition of claim 11, wherein the polyol is selected from the group consisting of: neopentyl glycol, trimethylol propane, 1,4-butanediol, ethylene glycol, 1,4-cyclohexanedimethanol, 1,3-propanediol, 1,6-hexanediol, trimethylolethane, and mixtures thereof.
- 15. The coating composition of claim 11, wherein the polyol comprises a blend of neopentyl glycol and trimethylol propane.
- 16. The coating composition of claim 1, wherein the fatty acid component is naturally occurring.
- The coating composition of claim 1, wherein the fatty acid component is selected from the group consisting of: palmitic acid, lauric acid, stearic acid, capric acid, caprylic acid, myristic acid, and mixtures thereof.
 - 18. The coating composition of claim 16, wherein the naturally occurring fatty acid comprises between 6 and 16 carbon atoms, and is saturated.

- 19. The coating composition of claim 1, wherein the alkyd resin has an acid number between about 2 and 10.
- 20. The coating composition of claim 1, wherein the alkyd resin has an acid number between about 4 and 6.
- 5 21. The coating composition of claim 1, wherein the coating composition comprises between about 10 and 40 weight percent crosslinker.
 - 22. The coating composition of claim 1, wherein the crosslinker is selected from the group consisting of: melamine formaldehyde, urea formaldehyde, benzoguanamine formaldehyde, and glycoluril formaldehyde.
- 10 23. The coating composition of claim 1, wherein the crosslinker comprises melamine formaldehyde.
 - 24. The coating composition of claim 1, further comprising a reactive diluent, wherein the reactive diluent comprises an epoxy material.
- 25. The coating composition of claim 1, further comprising a solvent selected from the group consisting of: mineral spirits, xylene, alcohols, ketones, esters, and glycol ethers.
 - 26. The coating composition of claim 1, further comprising a wax selected from the group consisting of: carnauba, petrolatum, and polyethylene.
 - 27. The coating composition of claim 1, further comprising a flow control agent selected from the group consisting of: silicone, fluorocarbons, and acrylic resins.
- 28. The coating composition of claim 1, further comprising a catalyst selected from the group consisting of: paratoluene sulfonic acid, and dodecylbenzene sulfonic acid.
 - 29. The coating composition of claim 1, wherein the coating composition has an initial flexibility of at least about 7 when tested under the Erichsen Cup Fabrication Test.

- 30. The coating composition of claim 1, wherein the flexibility of the coating composition is at least about 5 after 2 minutes of dry heat at 200 °C using the Erichsen Cup Fabrication Test.
- 31. An alkyd resin composition, comprising:a polyester component comprising a reaction product of a diffunctional acid and a polyol; and

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a fatty acid component having a polydispersity of less than about 2, wherein the fatty acid component is substantially saturated and naturally occurring, and wherein the alkyd resin has a number average molecular weight between about 500 and 2,000.

- The alkyd resin of claim 31, wherein the difunctional acid is selected from the group consisting of: phthalic anhydride, isophthalic acid, terephthalic acid, succinic acid, adipic acid, and mixtures thereof.
 - 33. The alkyd resin of claim 31, wherein the difunctional acid is phthalic anhydride.
- 34. The alkyd resin of claim 31, wherein the polyol is selected from the group consisting of: neopentyl glycol, trimethylol propane, 1,4-butanediol, ethylene glycol, 1,4-cyclohexanedimethanol, 1,3-propanediol, 1,6-hexanediol, trimethylolethane, and combinations thereof.
 - 35. The alkyd resin of claim 31, wherein the polyol comprises a blend of neopentyl glycol and trimethylol propane.
- 36. The alkyd resin of claim 31, wherein the naturally occurring fatty acid is selected from the group consisting of: palmitic acid, lauric acid, stearic acid, capric acid, caprylic acid, and myristic acid.
 - 37. The alkyd resin of claim 31, wherein the naturally occurring fatty acid comprises between 6 and 16 carbon atoms, and contains no unsaturation.

- 38. The alkyd resin of claim 31, wherein the acid number of the resin is between about 4 and 6.
- 39. The alkyd resin of claim 31, wherein the viscosity of the resin is between about 15 cm²/sec and 25 cm²/sec.
- 5 40. The alkyd resin of claim 31, wherein the solids content of the resin is between about 70 and 90 percent.
 - 41. A coated substrate, comprising:

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a metal substrate coated with a coating composition comprising an alkyd resin, the alkyd resin being a reaction product of a polyester component and a substantially saturated fatty acid component, wherein the fatty acid component is naturally occurring, and wherein the alkyd resin has a number average molecular weight between about 500 and 2,000, and a polydispersity of less than about 2; and a crosslinker, wherein the coating composition is substantially color stable.